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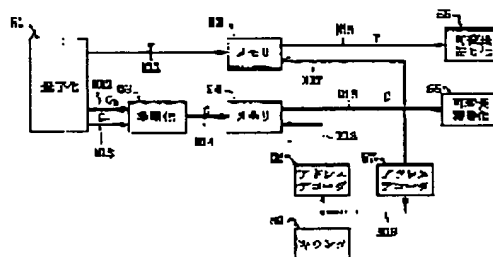(22)Date of filing :   30.09.1993   (72)Inventor : SHINBASHI TATSUO

(54) METHOD AND DEVICE FOR ENCODING PICTURE SIGNAL

(57)Abstract:

PURPOSE: To improve the encoding efficiency by successively scanning two color difference signals while taking quantized coefficients at the same position on the same screen and sending it to a variable length encoding circuit.

CONSTITUTION: A luminance signal M11 is inputted to a conversion memory 52 in succession. Two types of color difference signals M12 and M13 are multiplexed by a multiplex circuit 53 and are inputted to a conversion memory 54. A counter 59 counts the quantization coefficient of a macro block to be inputted from a quantization circuit 51 and a count value M19 is inputted to address decoders 57 and 58. The decoders 57 and 58 output the values to be obtained according to the contents of a decoding table from the count value M19 at the time of writing signals into memories 52 and 54 and output the count value M as it is at the time of reading out the signal from the memories 52 and 54. Quantization data M15 and M16 by one macro block are read out from memories 52 and 54 in the order on the memory and are inputted to the variable length encoding circuits 55 and 56.

LEGAL STATUS

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